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**From:** Ostrand, Laurie [Ostrand.Laurie@epa.gov]  
**Sent:** 12/20/2018 8:07:15 PM  
**To:** North, Alexis [North.Alexis@epa.gov]; Beeler, Cindy [Beeler.Cindy@epa.gov]; Loiacono, Sara [loiacono.sara@epa.gov]  
**CC:** Wilwerding, Joseph [Wilwerding.Joseph@epa.gov]; Ostrand, Laurie [Ostrand.Laurie@epa.gov]  
**Subject:** RE: Compressor Station - Component Count & LDAR Reqmts at Wellpads & CSs

I already incorporated Cindy's comments into my write-up. I just expanded on them a little. I think you're ready to go with my write. FYI – I think Cindy had an incorrect cite for the recordkeeping. I fixed it in my writeup

Laurie Ostrand  
U.S. Environmental Protection Agency  
8ENF-AT  
1595 Wynkoop Street  
Denver, Colorado 80202  
303-312-6437

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**From:** North, Alexis  
**Sent:** Thursday, December 20, 2018 1:05 PM  
**To:** Ostrand, Laurie <Ostrand.Laurie@epa.gov>; Beeler, Cindy <Beeler.Cindy@epa.gov>; Loiacono, Sara <loiacono.sara@epa.gov>  
**Cc:** Wilwerding, Joseph <Wilwerding.Joseph@epa.gov>  
**Subject:** RE: Compressor Station - Component Count

Thanks you guys, this is a huge help. I'll incorporate both Beeler's and Laurie's comments and send, y'all want to see it once more?

Alexis North, Environmental Scientist  
Office of Enforcement, Compliance & Environmental Justice  
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Denver, CO 80202-1129  
Phone: 303-312-7005  
Email: [north.alexis@epa.gov](mailto:north.alexis@epa.gov)

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**From:** Ostrand, Laurie  
**Sent:** Thursday, December 20, 2018 12:54 PM  
**To:** Beeler, Cindy <[Beeler.Cindy@epa.gov](mailto:Beeler.Cindy@epa.gov)>; North, Alexis <[North.Alexis@epa.gov](mailto:North.Alexis@epa.gov)>; Loiacono, Sara <[loiacono.sara@epa.gov](mailto:loiacono.sara@epa.gov)>  
**Cc:** Wilwerding, Joseph <[Wilwerding.Joseph@epa.gov](mailto:Wilwerding.Joseph@epa.gov)>; Ostrand, Laurie <[Ostrand.Laurie@epa.gov](mailto:Ostrand.Laurie@epa.gov)>  
**Subject:** RE: Compressor Station - Component Count

## Ex. 5 Deliberative Process (DP)

I suggest that after Alex's 2<sup>nd</sup> paragraph in her draft email she say something like:

## Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

Laurie Ostrand  
U.S. Environmental Protection Agency  
8ENF-AT  
1595 Wynkoop Street  
Denver, Colorado 80202  
303-312-6437

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**From:** Beeler, Cindy  
**Sent:** Wednesday, December 19, 2018 4:41 PM  
**To:** North, Alexis <[North.Alexis@epa.gov](mailto:North.Alexis@epa.gov)>; Ostrand, Laurie <[Ostrand.Laurie@epa.gov](mailto:Ostrand.Laurie@epa.gov)>; Loiacono, Sara <[loiacono.sara@epa.gov](mailto:loiacono.sara@epa.gov)>  
**Subject:** RE: Compressor Station - Component Count

# Ex. 5 Deliberative Process (DP)

**Cindy Beeler**  
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[Beeler.Cindy@epa.gov](mailto:Beeler.Cindy@epa.gov)

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**From:** North, Alexis  
**Sent:** Wednesday, December 19, 2018 2:28 PM

**To:** Ostrand, Laurie <[Ostrand.Laurie@epa.gov](mailto:Ostrand.Laurie@epa.gov)>; Loiacono, Sara <[loiacono.sara@epa.gov](mailto:loiacono.sara@epa.gov)>; Beeler, Cindy <[Beeler.Cindy@epa.gov](mailto:Beeler.Cindy@epa.gov)>

**Subject:** RE: Compressor Station - Component Count

Will you ladies please make sure I'm not crazy here...

Hi Steve,

## Ex. 5 Deliberative Process (DP)

I hope this helps.

Let me know if you have additional questions,

Alex

Alexis North, Environmental Scientist  
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**From:** Steve Warner <[SWarner@cgrs.com](mailto:SWarner@cgrs.com)>  
**Sent:** Tuesday, December 18, 2018 3:24 PM  
**To:** North, Alexis <[North.Alexis@epa.gov](mailto:North.Alexis@epa.gov)>  
**Subject:** Compressor Station - Component Count

Alexis,  
Thanks much for the phone chat. Here's a recap of my question, and what I've discovered so far...

Question: Does a compressor station have to complete component counts under OOOOa?

I've asked the client to identify his compressors to know if they are centrifugal or reciprocating. We believe they are reciprocating, so following that path it appears very clear to me that it's all about "rod packing". All maintenance, tracking, reporting, and replacement seems centered around the rod packing. Following all the paths for this compressor I see no discussion on component counts.

A second part to the question is that I know they have installed some new turbine compressors, and I don't know yet if this falls under centrifugal. That too is waiting on the client's comments.

Any thoughts are certainly welcome. Thank you very much for your help!

**Steve Warner**

Project Engineer

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